

Amendment to the Claims:

Listing of the Claims

The listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1- 6 (Cancelled)

Claim 7 (Currently amended) The method of claim ~~[[4]]~~ 16 further comprising re-mixing the surface modification agent(s) and the aerosol doped, surface-modified, pyrogenically produced oxides for 15 to 30 minutes and tempering at a temperature of 100 to 400 °C for a period of 1 to 6 hours.

Claim 8 (Currently amended) The surface-modified, pyrogenically produced oxides according to claim ~~[[3]]~~ 15 wherein the cyclic polysiloxanes is octyltrimethoxysilane ~~D-4~~.

Claims 9 -12 (Cancelled)

Claim 13 (Currently Amended) The surface-modified, pyrogenically produced oxides according to claim ~~[[3]]~~ 15 wherein the dopant is aluminum oxide and the pyrogenically produce oxide is silica.

Claim 14 (Currently amended) The method according to claim ~~[[4]]~~ 16 wherein the dopant is aluminum oxide and the pyrogenically produce oxide is silica.

Claim 15 (New): A rapid dissolving reinforcing filler composition for organic systems comprising an effective amount of surface-modified, aerosol doped-pyrogenically produced oxides wherein the dopants are selected from cerium, aluminum, potassium or salts or oxides thereof, wherein the pyrogenically produced oxides are selected from the group consisting of SiO_2 , Al_2O_3 , TiO_2 , B_2O_3 , ZrO_2 , In_2O_3 , ZnO , Fe_2O_3 , Nb_2O_5 , V_2O_5 , WO_3 , SnO_2 and GeO_2 , and wherein the surface modification is a hydrophobic surface obtained by spraying the pyrogenic oxides, where the BET surface is between 40 and 217 m^2/g and the dopant is homogeneously distributed within the pyrogenically produced oxide, with one or several compounds selected from the group consisting of octyltrimethoxysilane (Si 108), hexamethyldisilazane (HMDS), polydimethylsiloxane (PDMS) and γ -aminopropyltriethoxysilane (AMEO).

Claim 16 (New): A method of producing aerosol doped, surface-modified pyrogenically produced oxides, comprising placing aerosol doped-pyrogenically produced oxides, where the BET surface is between 40 and 217 m^2/g and the dopant is homogeneously distributed within the pyrogenically produced oxide, in a suitable mixing container, spraying the oxides with water and/or acid and then spraying the oxides under intensive mixing with the surface-modification reagent or a mixture of several surface-modification reagents under conditions where oxygen is excluded, to form the aerosol doped, surface-modified, pyrogenically produced oxides, wherein the dopants are selected from cerium, aluminum, potassium, or salts or oxides thereof, wherein the oxides are selected from the group consisting of SiO_2 , Al_2O_3 , TiO_2 , B_2O_3 , ZrO_2 , In_2O_3 , ZnO , Fe_2O_3 , Nb_2O_5 , V_2O_5 , WO_3 , SnO_2 and GeO_2 , wherein the surface-modification reagent or a

mixture of several surface-modification reagents are selected from the group consisting of octyltrimethoxysilane (Si 108), hexamethyldisilazane (HMDS), polydimethylsiloxane (PDMS) and γ -aminopropyltriethoxysilane (AMEO).